

Winter 1-30-2020

## 2020 Update Mtg: Reviewing Pesticide Registrations

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# Reviewing Pesticide Registrations

**Hilary Sandler, UMass Cranberry Station**  
Extension / Research Update meeting

January 30, 2020  
Wareham, MA



# Important Registrations

- 24(c) or Special Local Needs
- Section 18s – Emergency Exemptions
- State Restricted / Zone II
- Federally restricted

24(c) and S18 refer to parts of FIFRA:  
Federal Insecticide, Fungicide, and  
Rodenticide Act

# Application for 24(c) Special Local Needs



States may register an additional use of federally registered pesticide, or new end-use product to meet Special Local Needs (SLN)



# Candidates for 24(c) or SLN

- New method or timing of application
- New crop / new site
- New pest
- Changed rate
- Application in particular soil type
- New product or formulation
- Product useful in managing resistance

# The Process

- Chemical co. submits package to MDAR
  - Residue data
- University specialist submits form
  - Target pests
  - Justification
  - Efficacy and crop safety data
- States have authority to issue SLNs,  
EPA responsible for overseeing program
- In effect until/unless EPA says otherwise

# The Process



- EPA reviews these registrations
  - May disapprove if use not covered by necessary tolerances or if use has been previously denied or cancelled
  - Usually relates to health concerns



# Restrictions

- Time - limited label is encouraged but may be in effect for 5-10 years.
- Companies must re-register new supplemental label
  - Pay fee
  - Update data package

syngenta.

ETRA

## Section 24(c) Special Local Need Label

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MASSACHUSETTS

Callisto® Herbicide  
Spot Treatment Application for Weed Control in Cranberry

EPA Reg. No. 100-1131  
EPA SLN No. MA-150002

This label expires and must not be distributed or used in accordance with this SLN registration after December 31, 2020

DIRECTIONS FOR USE



# **24(c) (SLN) in Cranberry**

**Active labels on  
UMass Cranberry web site:**

**Services/Special Pesticide Labels**

Cranberry Station Home

About

Projects

Research & Extension

Publications & Resources

Services

News & Events

Make a Gift

UMass  
Cranberry  
Station

Research  
& Extension



Weather Summaries

Frost Tolerance Reports

Keeping Quality Forecast

Soil and Plant Nutrient Testing for Cranberries

Groundwater Protection Regulations (Zone II)

Special Pesticide Labels

Search the Center for Agriculture, Food and the Environment

Search this site

Search

# 24(c) (SLN) in Cranberry

- Devrinol 50DF: multiple applications on new plantings
- Devrinol DF-XT (as with 50DF)
- QuinStar: injection timing (<30 min)
- Callisto: chemigation, reduced use of adjuvants, spot application

# New 24(c) for MA 2017-19

- Devrinol 2XT: multiple applications permitted for use on New Plantings.
  - Up to 18 qt/A per year
- Intensity / Intensity One: Chemigation now allowed. Only grass herbicide that can be chemigated!!
  - Select & Poast CANNOT be!!

# New for MA 2019

- Intensity / Intensity One: Removes limit of application hook to fruit set.
- Any time grasses actively growing, except w/i 30 days of harvest.
- Applications made at roughneck can cause abnormalities in flowers.
  - can be more severe with certain varieties, such as Howes
  - apps during roughneck are not recommended

# Section 18s



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# Emergency Exemptions

- Urgent and non-routine situation
- No feasible alternative exists
- New pest that will cause significant economic loss or risk to environment and/or human health
- Emergency may also be justified if:
  - Pesticide resistance exists
  - Unusual weather leads to pest outbreak
  - Effective product label is cancelled





# Process for S18s



- Contact MDAR
  - Submit written request to MDAR
  - Approval by Pesticide Board Subcommittee
  - Submitted to EPA by MDAR
- Contact manufacturer
  - Must be in agreement and support use

# Requirements



- Limited time and use only.
- Must clearly demonstrate non-routine emergency conditions exist.
- Tolerances (max residue levels) must be established under FQPA.
- EPA to respond within 50 days of receipt.

# Previous Section 18s

- Avaunt for CB weevil
- Kerb 50WP for dodder
- QuinStar 4L for dodder
- Stinger for broadleaved weeds
- Confirm for Sparganopsis
- Pyramite for Southern red mite
- Spintor for Sparganopsis
- Bravo for twig blight (OR)
- Ridomil for Phytophthora

**No longer active!!**

For MA, unless otherwise stated.  
Likely not an exhaustive list; from 1990 to present

# Kerb Section 18 for 2020

- Eligible for Expedited Recertification
- Submitted to MDAR and approved
- EPA is currently evaluating
- Requested start date of April 15

# Federal Restricted Use

- Bravo
- Diazinon, Lorsban
- Kerb, Weedar 64, 2,4-D

# STATE Restricted --Zone II\*

## Groundwater Protection

- Chlorothalonil – Bravo, etc
- Methoxyfenozide – Intrepid, etc
- Simazine – Princep, etc
- Thiamethoxam -- Actara
- Dinotefuran – Scorpion
- New Herbicide likely added to list

\*related to MA Wellhead Protection regulations

# Zone II

- Notify MDAR w/i 10 days of month's end for each application
- Have approved IPM plan
  - Use of Chart Book and farm-specific plan
- Support letter from Extension
  - and/or Chart Book confirming condition to allow application
- Documentation showing failures of alternatives

# Zone II

## Groundwater Protection

- Any questions, call us !
  - Anne/Marty – Insecticides, x20
  - Hilary/Katie – Herbicides, x21/43
  - Leela – Fungicides, x18



# Questions?



**FIFRA**

